

FIGURE 2
Tracking Error Signal Analysis

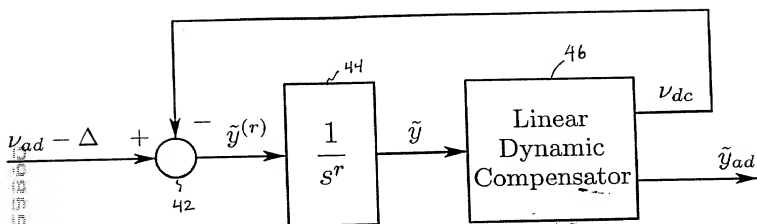


FIGURE 3

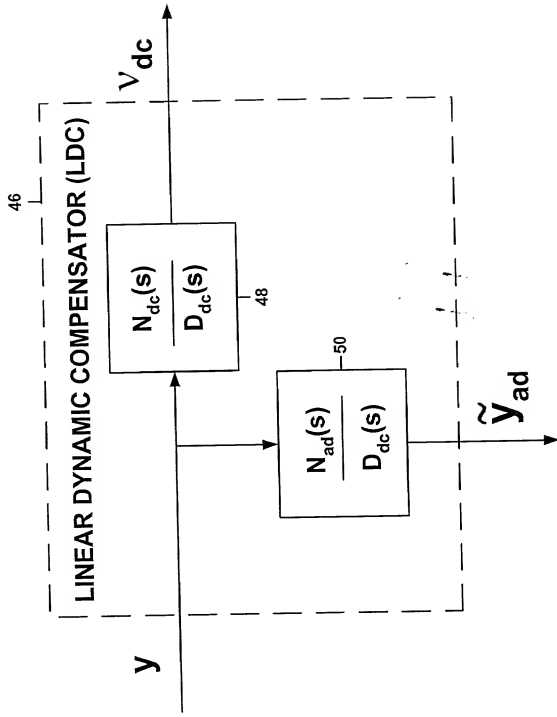


FIGURE 4
BOUNDED
ADAPTIVE
ELEMENT (AE)

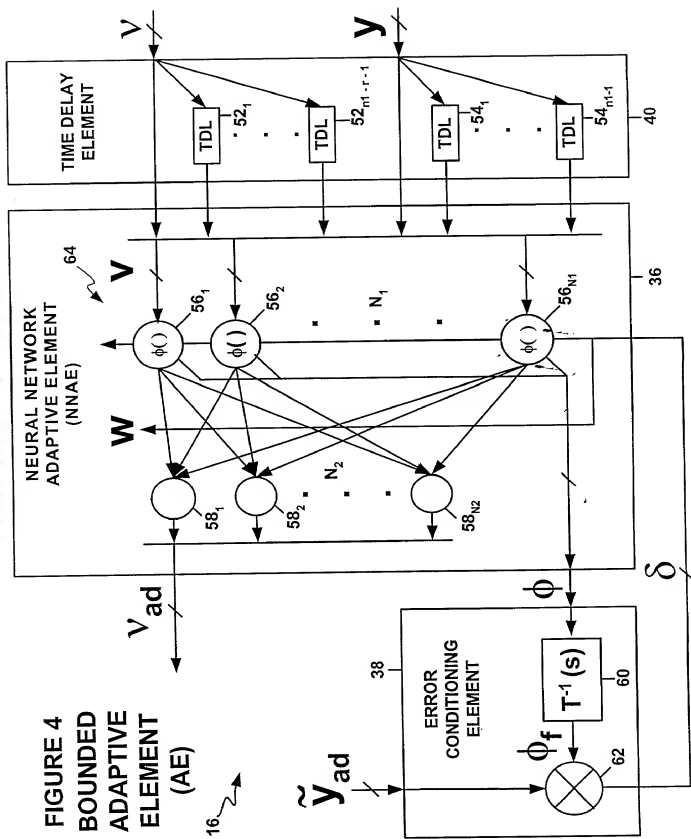


FIGURE 5
PROCESSOR-BASED ADAPTIVE CONTROL
SYSTEM USING DIRECT OUTPUT FEEDBACK

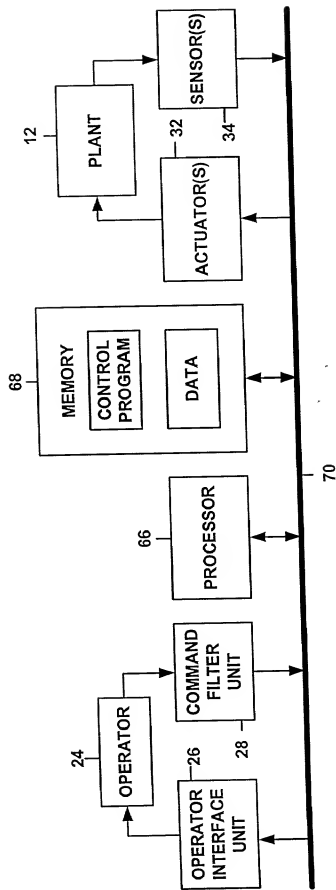


FIGURE 6

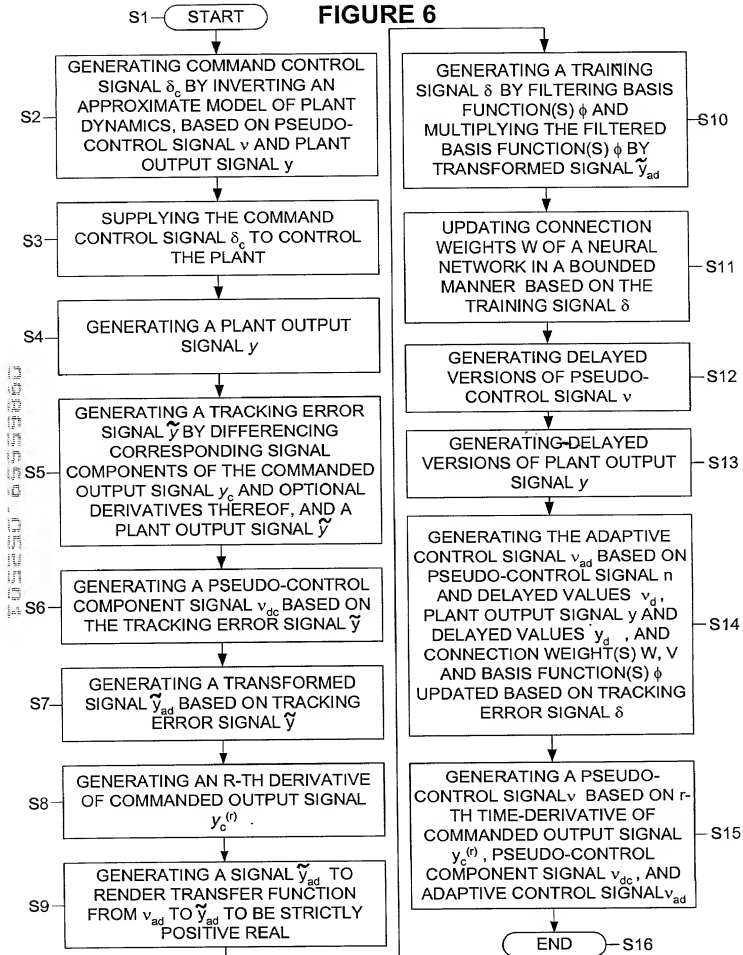
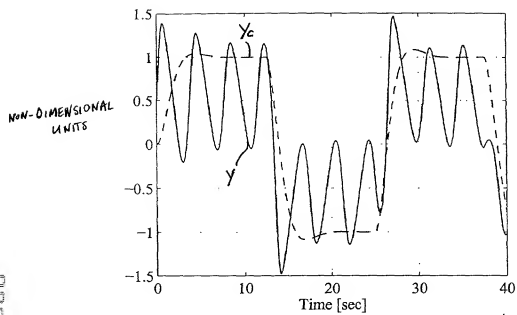
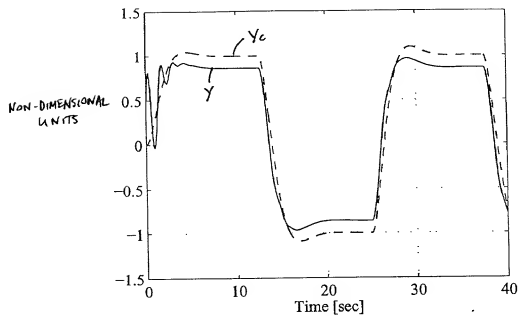


FIGURE 7



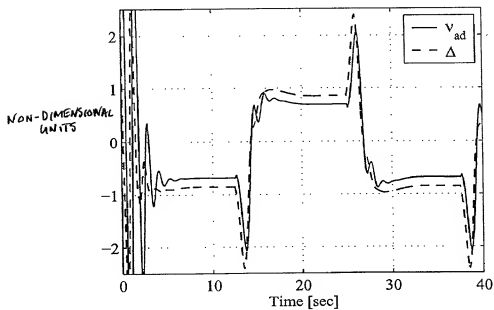
System without unmodelled dynamics: response with linear compensator

FIGURE 8A



(a) System tracking

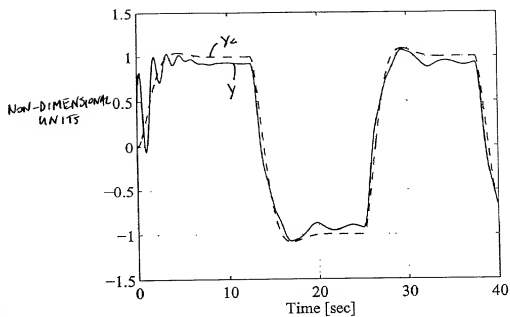
FIGURE 8B



(b) NN output v_{ad} and inversion error Δ

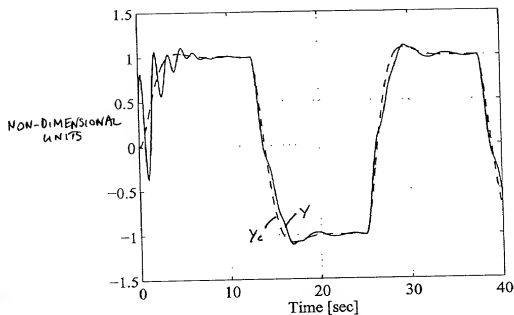
System without unmodelled dynamics and NN controller

FIGURE 9



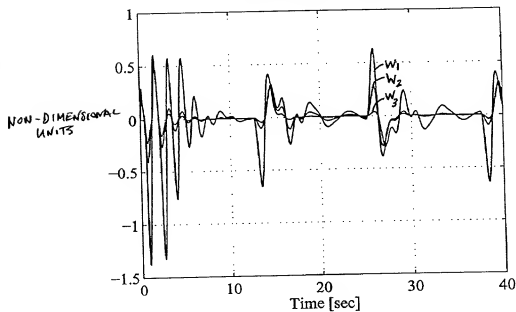
System with unmodelled dynamics: response with NN controller

FIGURE 10A



(a) System tracking

FIGURE 10B



(b) NN weight history

System with unmodelled dynamics: response with NN controller and linear compensator